

PARTHIBAN A

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Data Scientist with 6+ years of industrial experience. I work primarily in NLP, Machine Vision and Image Processing domains. Has expertise in preparing data, developing and deploying highly scalable ML models. Has good experience in Git

RELEVANT EXPERIENCE

Euphonious Innovations Private Limited, Bangalore — Data Scientist

APR 2021 – PRESENT

- Classifying the Documents based on best performed ML Models which can able to achieve greater than 90% of Accuracy
- Fields are extracted based on NER tagger and other python logic can implemented based on different document type
- Extraction accuracy achieved greater than 90% of accuracy around 13 document types. In which 2 Documents are Chinese Documents and extracted results are translated into English
- Trained Chinese to English Translation model based on BERT Transformer with 80% of accuracy on banking documents
- Working on end to end product on Extracting the document and Deployed in production using Python with greater than 90% of Accuracy
- To guide team members from solutions perspective, allocating tasks and managing technical resources
- To engage with clients in understanding business process, requirements gathering and defining Scope of Work
- LLM can generate answer based on custom dataset q&a using Google Palm

Euphonious Innovations Private Limited, Bangalore — Junior Data Scientist

SEP 2020 – MAR 2021

- Improvements to tesseract based OCR solution by building image pre-processing pipelines using OpenCV
- To build the separate module to extract the table contents with its row column index using python

SKILLS

Programming
Languages

Python, C#

Python/ML/CV Packages
OpenCV, Tensorflow, Keras,
Pillow, Scikit Learn, Pandas,
Numpy, Spacy, langchain

DevOps
Git

OS
Linux, Windows

MOOC

Stanford:

CS229 - Machine learning
CS229 – CNN for
Visual Recognition

MIT

MIT 18.06
Linear algebra

MIT 18.05
Introduction to
Probability and
Statistics

MIT 6.006
Introduction to
algorithms

Redbot Innovations Private Limited, Bangalore — Senior Application Developer

JUN 2018 - AUG 2020

- An algorithm to Measure the Clip size, Angle and recognize the child part of the brake from an image captured in an industrial environment with Accuracy of 90 %
- Build DL(LSTM) model to recognize dot matrix OCR using Python
- Build ML model to recognize threading and Surface defects from an image captured on inclined view
- Three camera system to capture the three side of the container to recognize the label presence and Read the characters

Redbot Innovations Private Limited, Bangalore — Application Developer

JAN 2018 - JUN 2018

- To recognize the sign of the battery and Check the Color of the sign from an image captured in a Closed environment with 95 % Accuracy and separate UI developed using C# to visualize the results and images
- Developed an Android application using GOOGLE API for Optical Character Recognition; Can operate this App without internet

Pace Power Systems Pvt Ltd, Bangalore — Quality Engineer

APR 2017 - JAN 2018

- Conducted regular quality audits to ensure compliance with internal and external standards

Digitek Controls Pvt Ltd, Bangalore — Hardware Engineer

NOV 2015 - APR 2017

- Manufacturing and servicing the different types of battery chargers like SMPS, Transformers, VRLA type and battery testers for all kind of batteries

EDUCATION

Bachelor of Engineering |
Electronics and Instrumentation
Engineering | **AUG 2011 - APR 2015**

First Class - 7.1/10.0 |
Dr.Mahalingam College of
Engineering & Technology
(MCET), Anna Univ., TN

AWARDS

Got **SPOT award** for UDE

Project **2021**

Got rewarded **Standout Performer 2019**

LANGUAGES

English Full working
proficiency

Tamil Native/Bilingual
Kannada Conversational
proficiency